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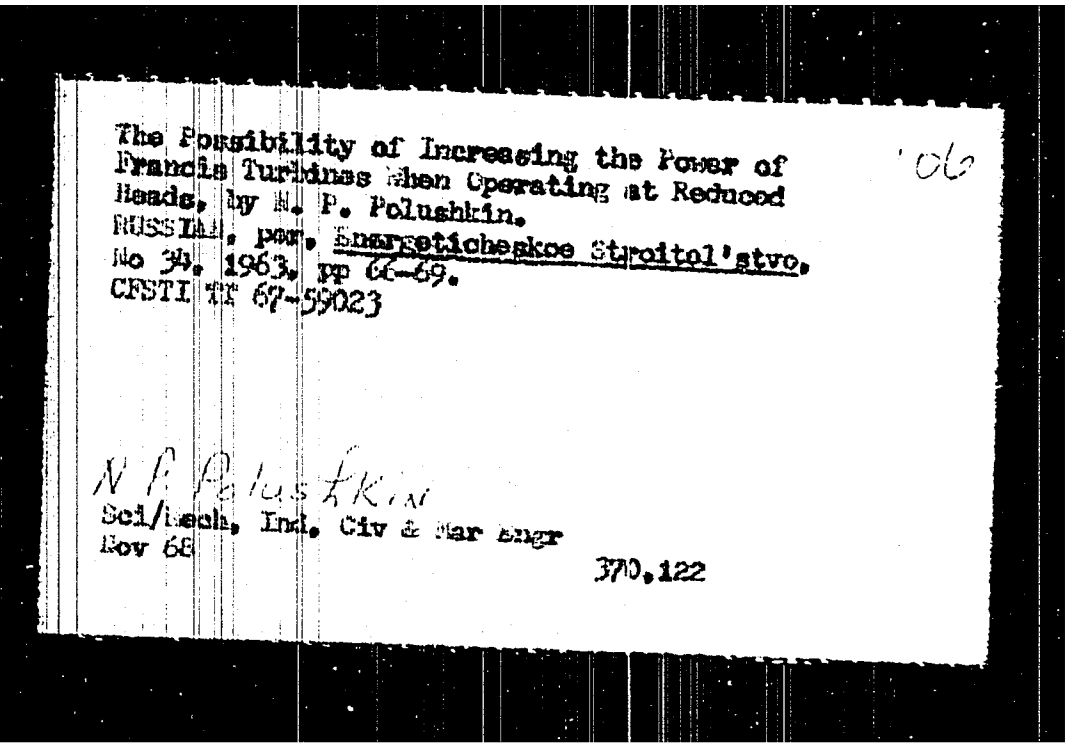

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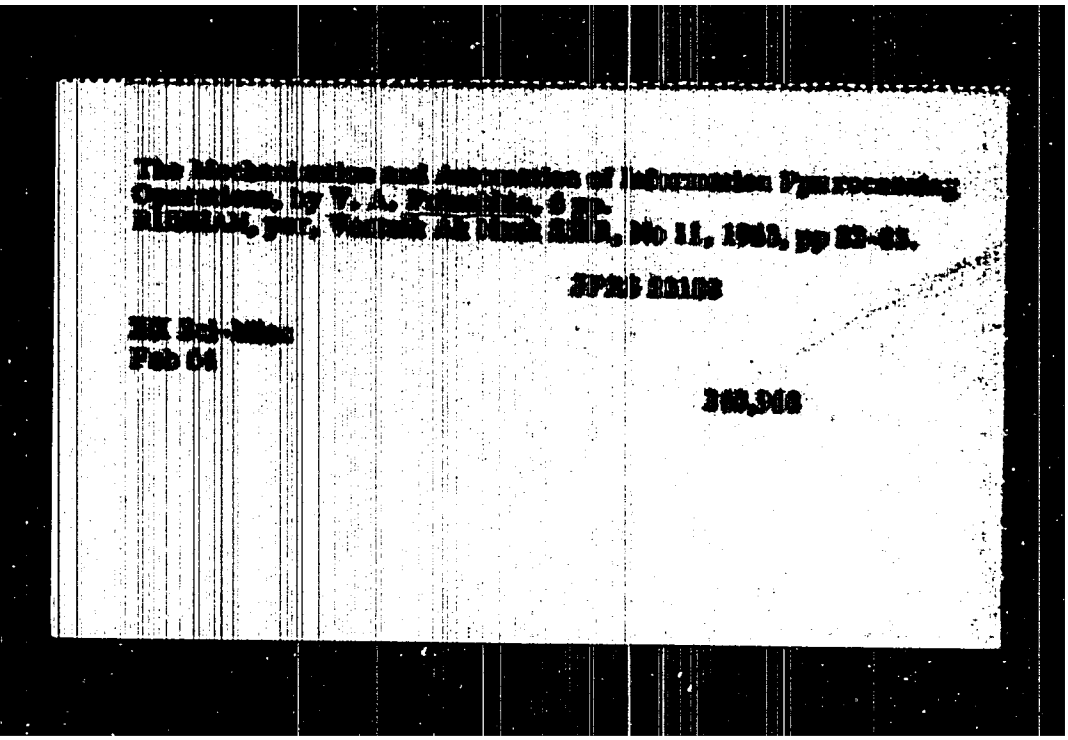

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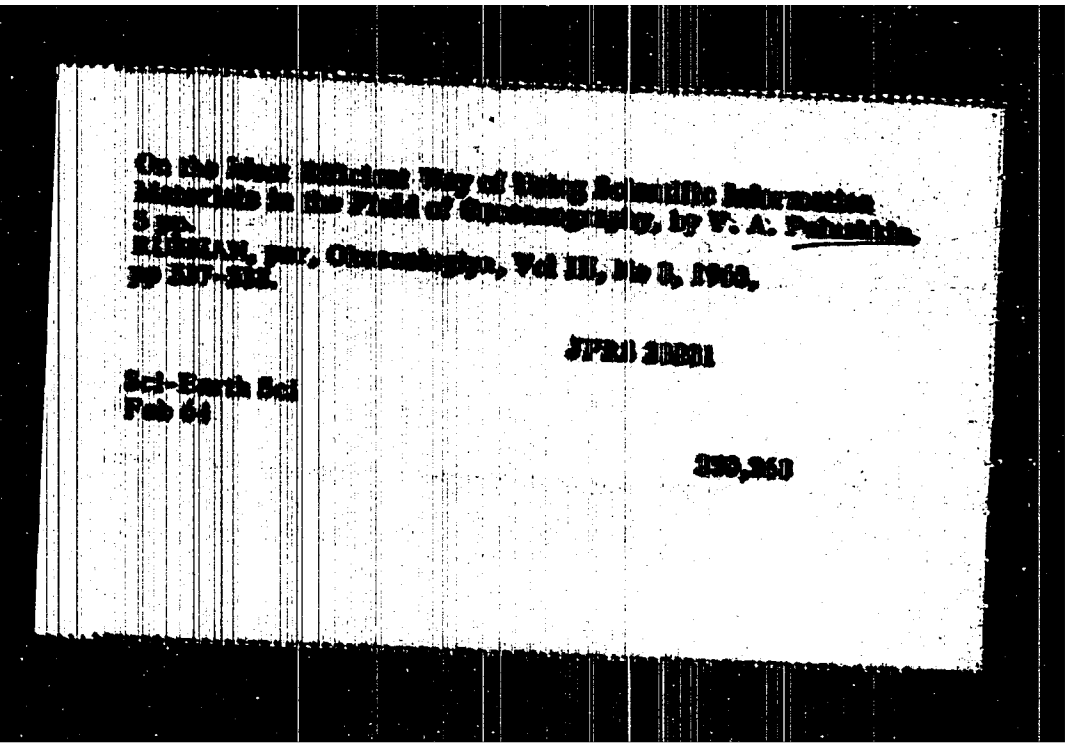

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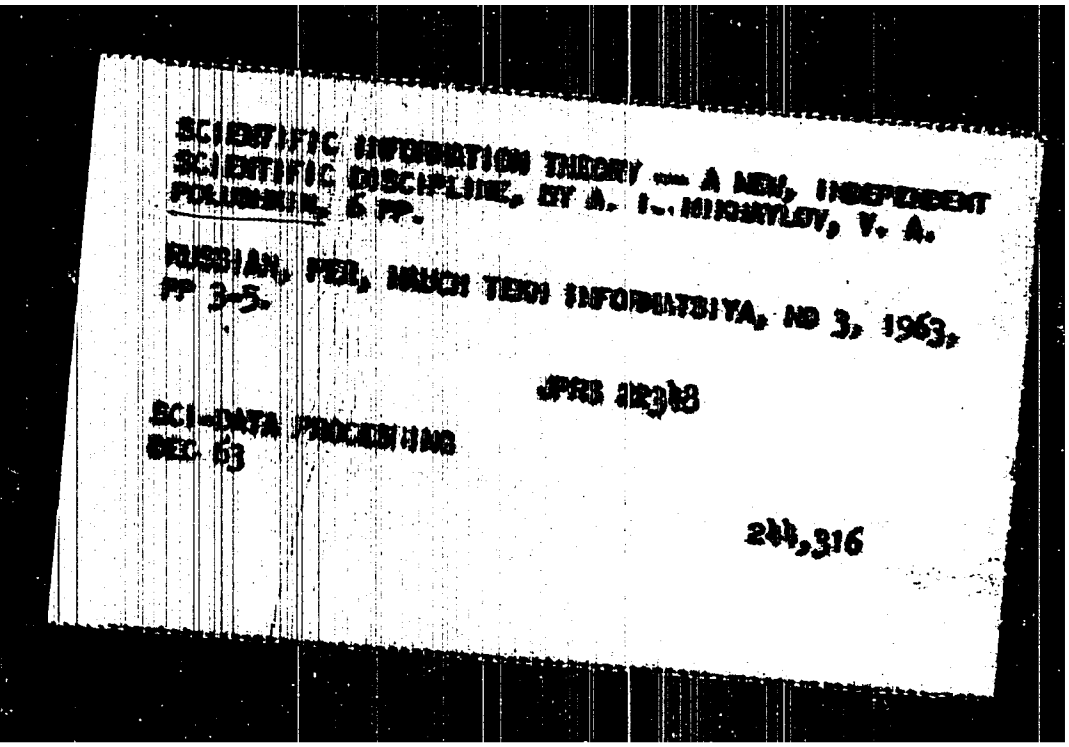

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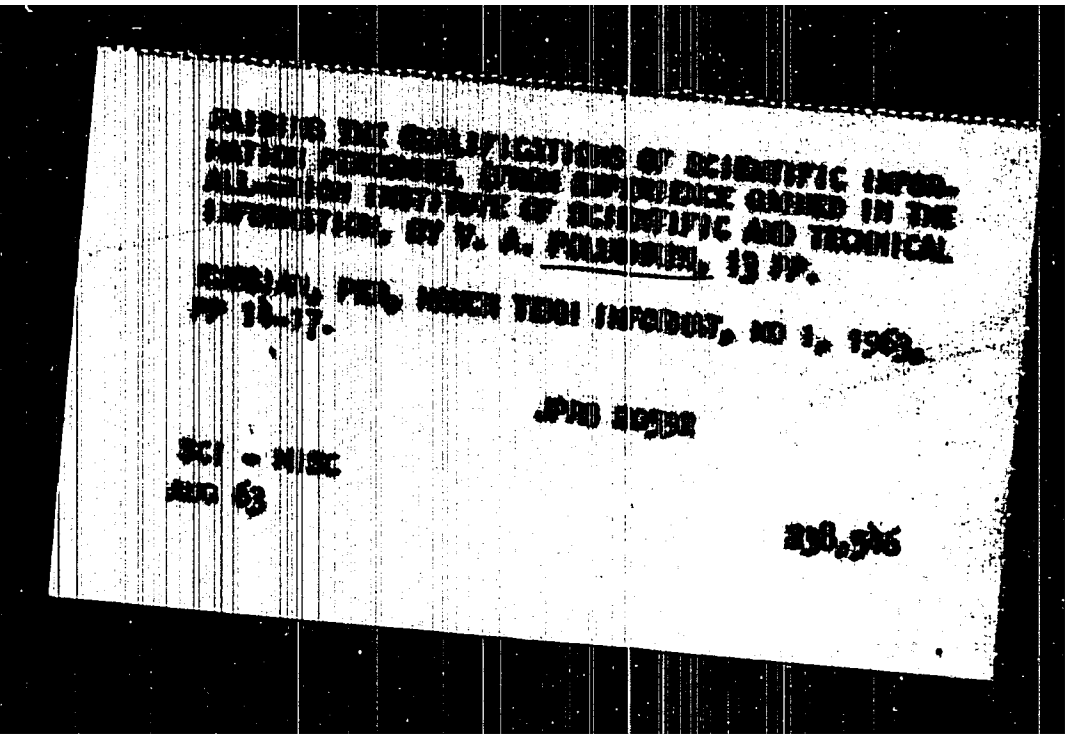

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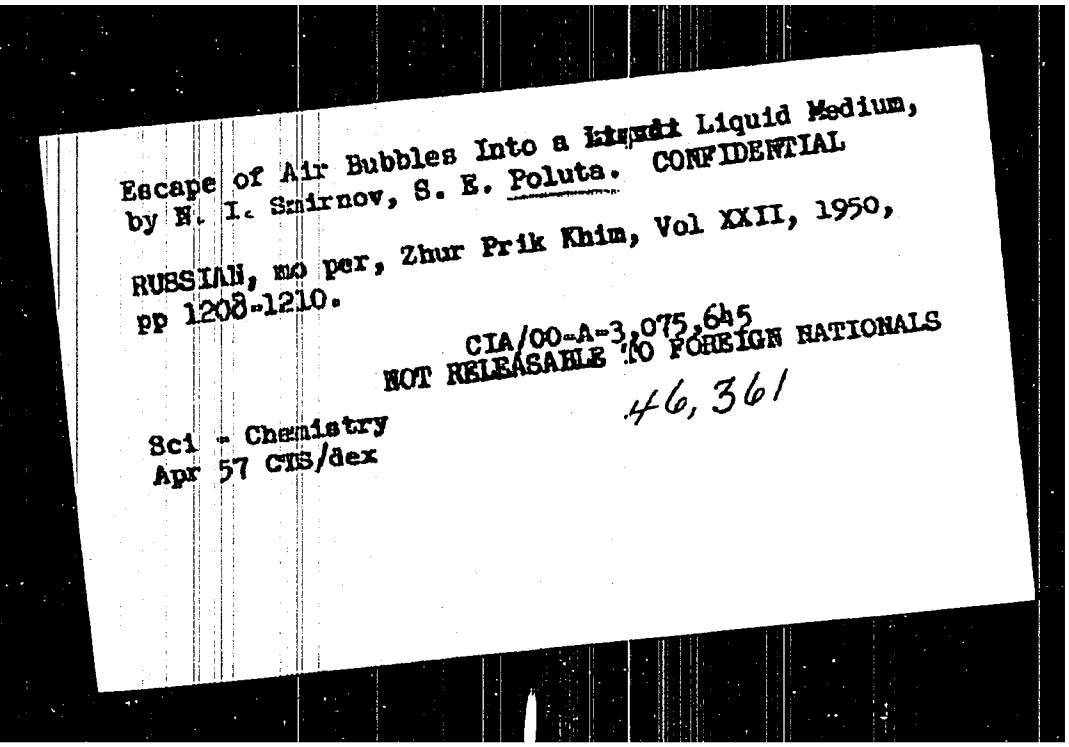

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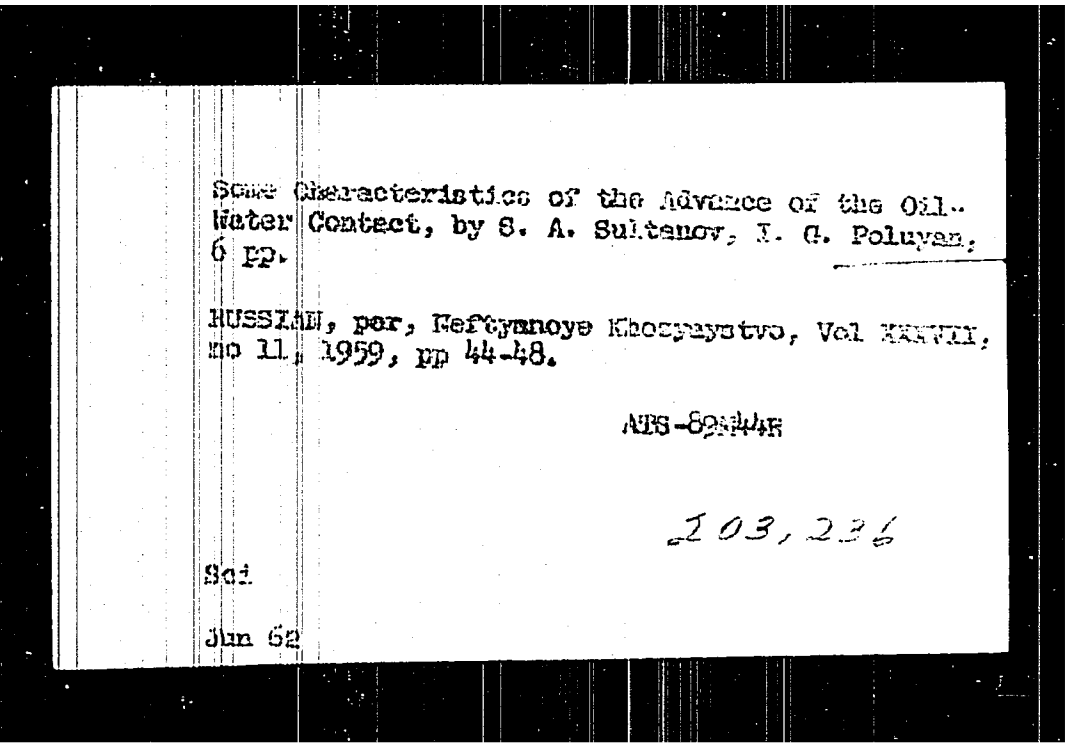

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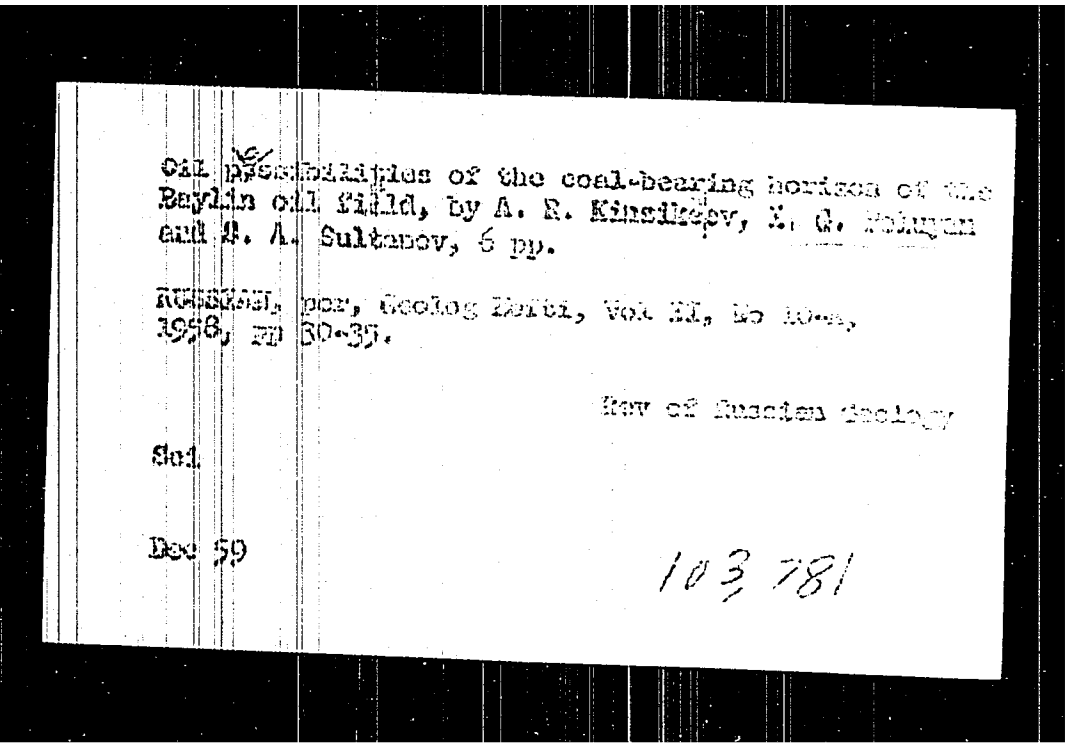

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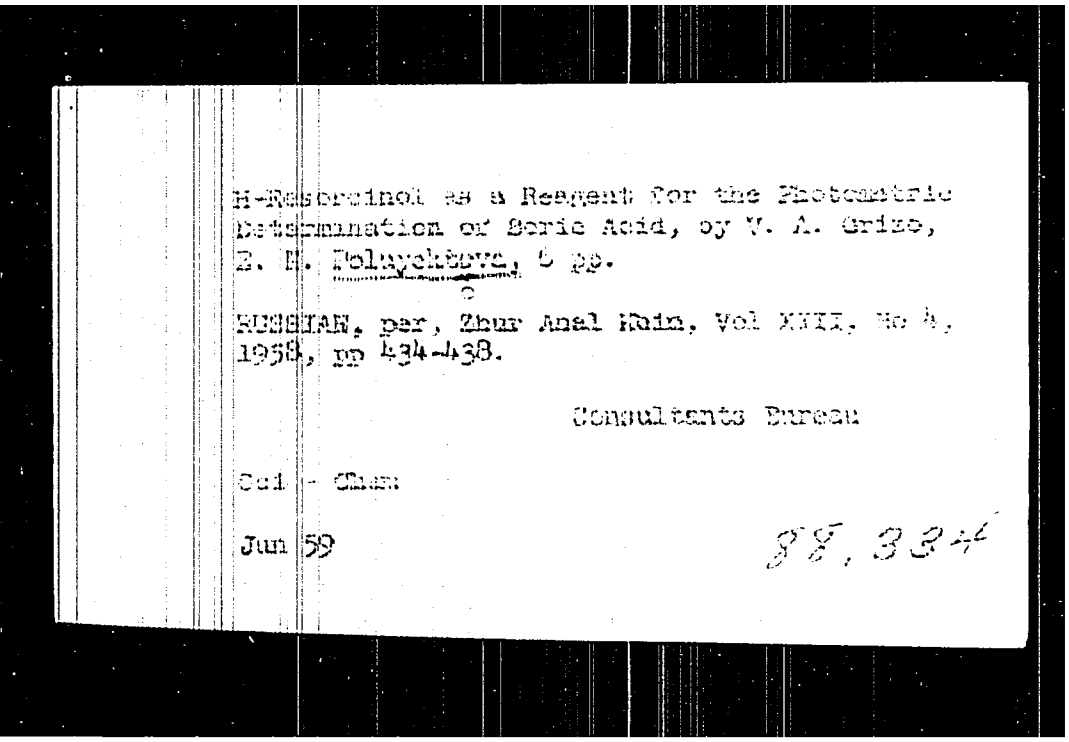

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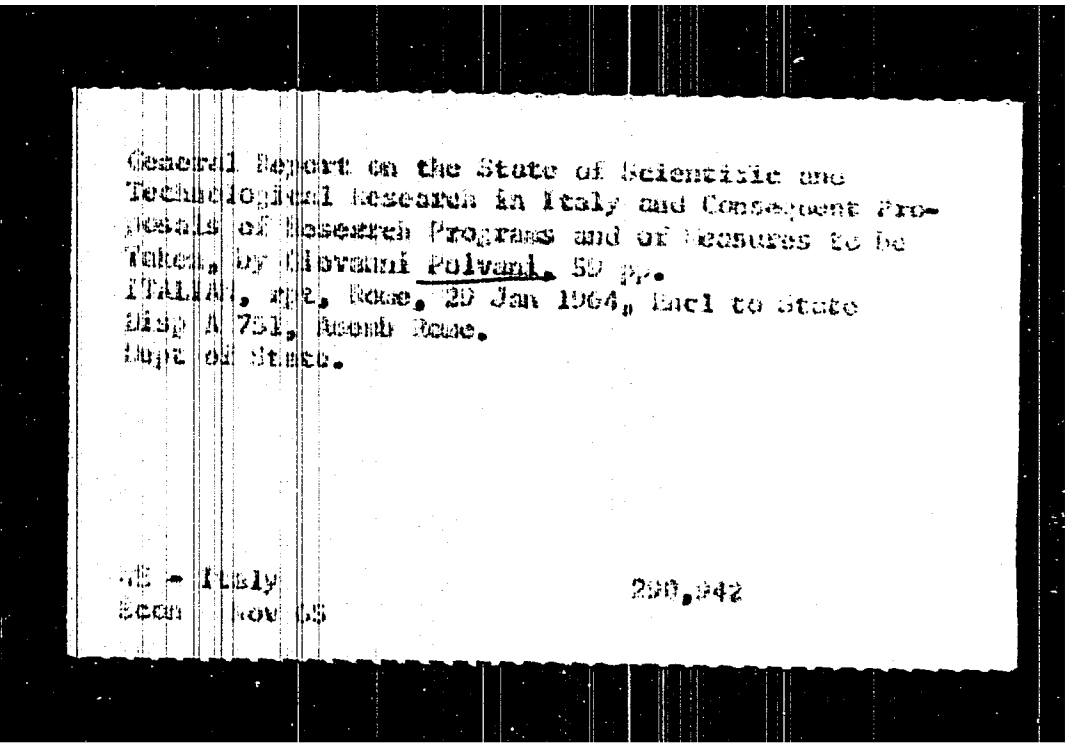

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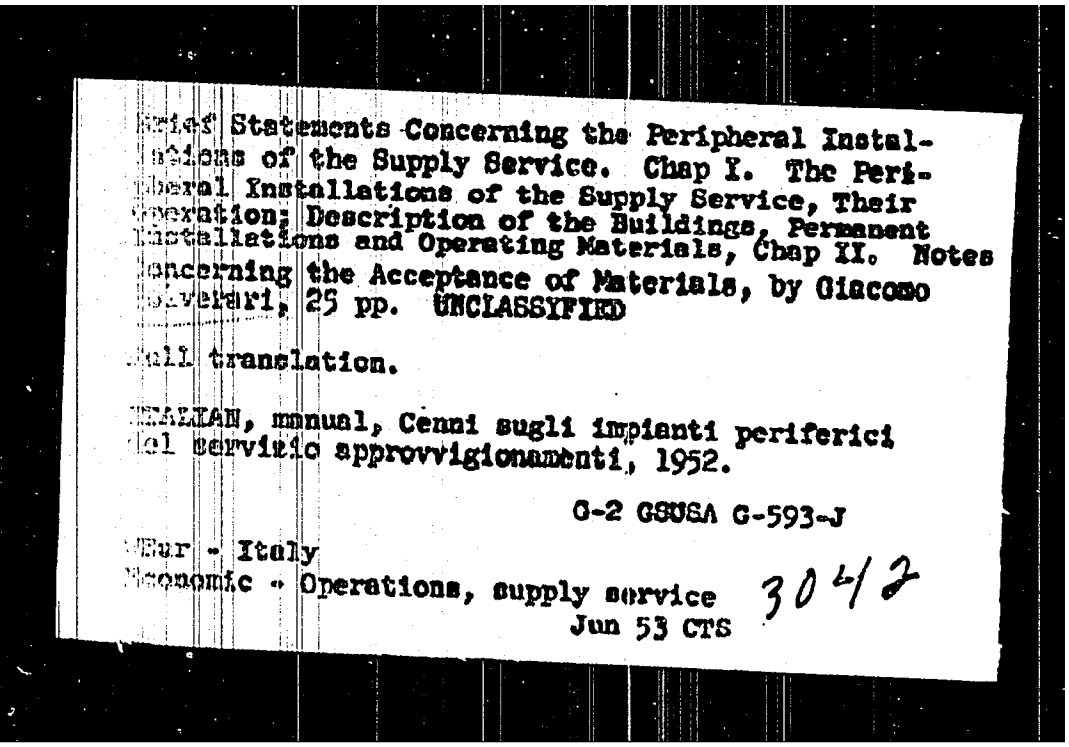

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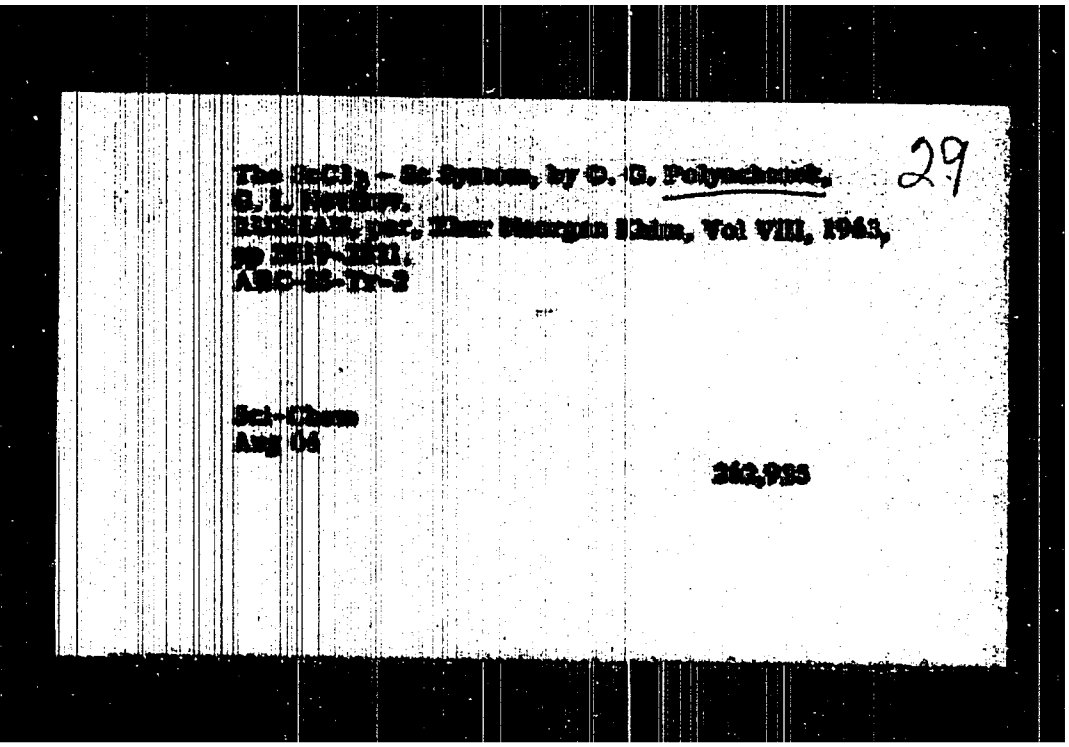

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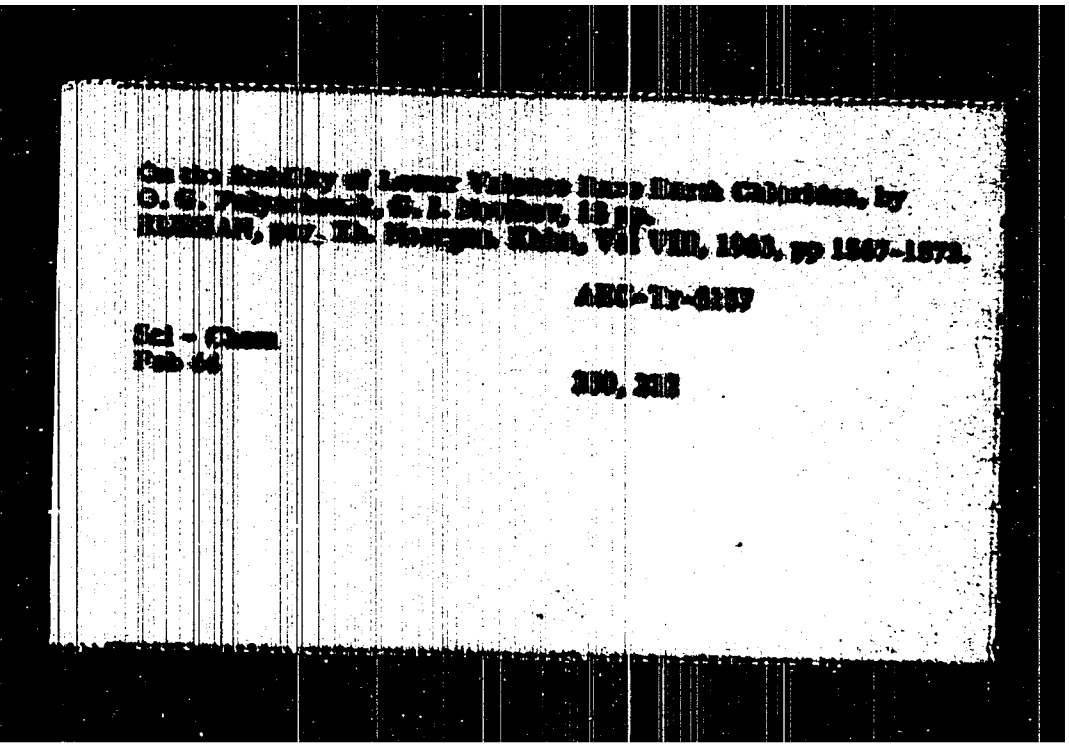

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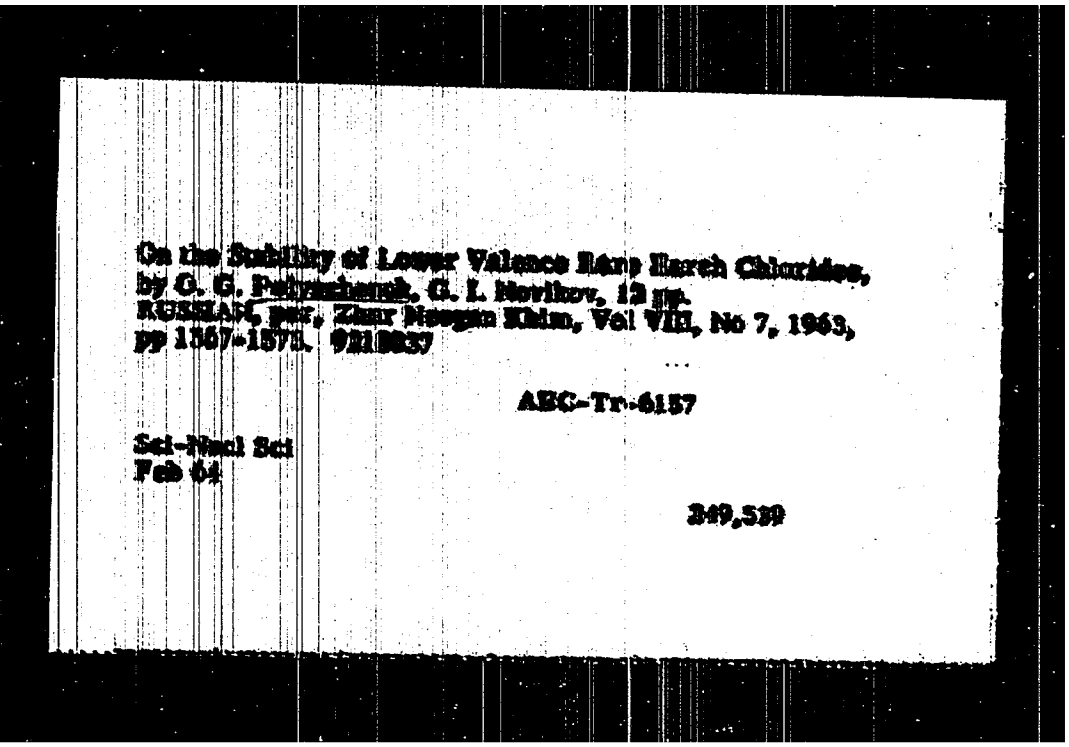

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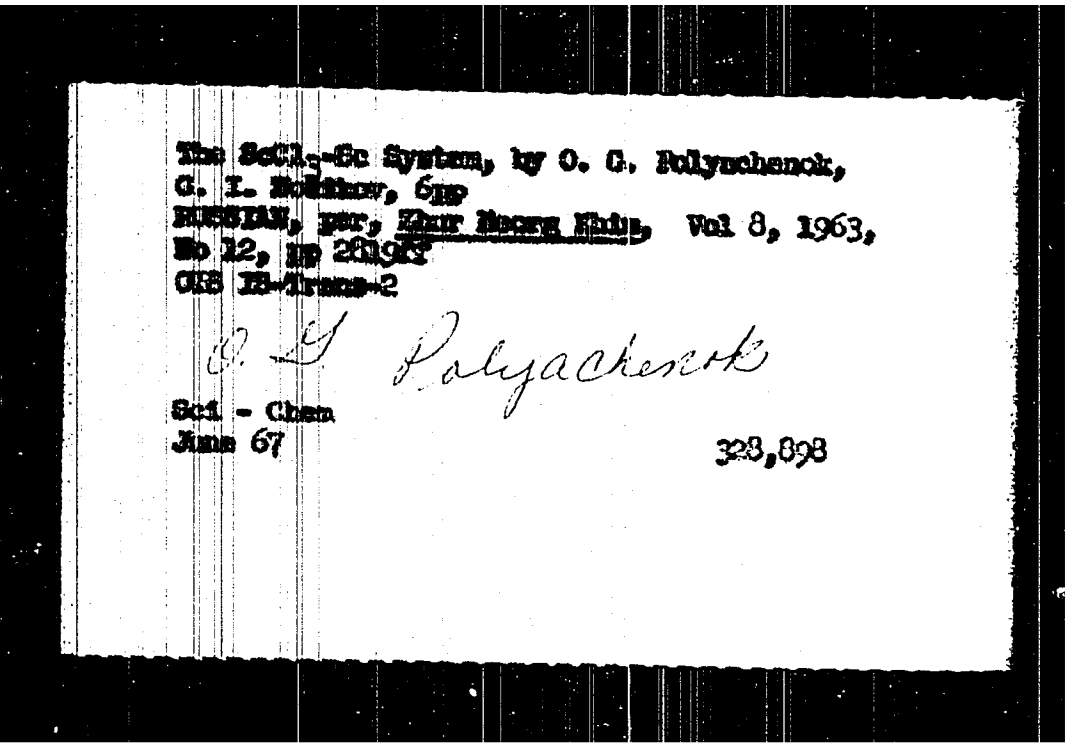

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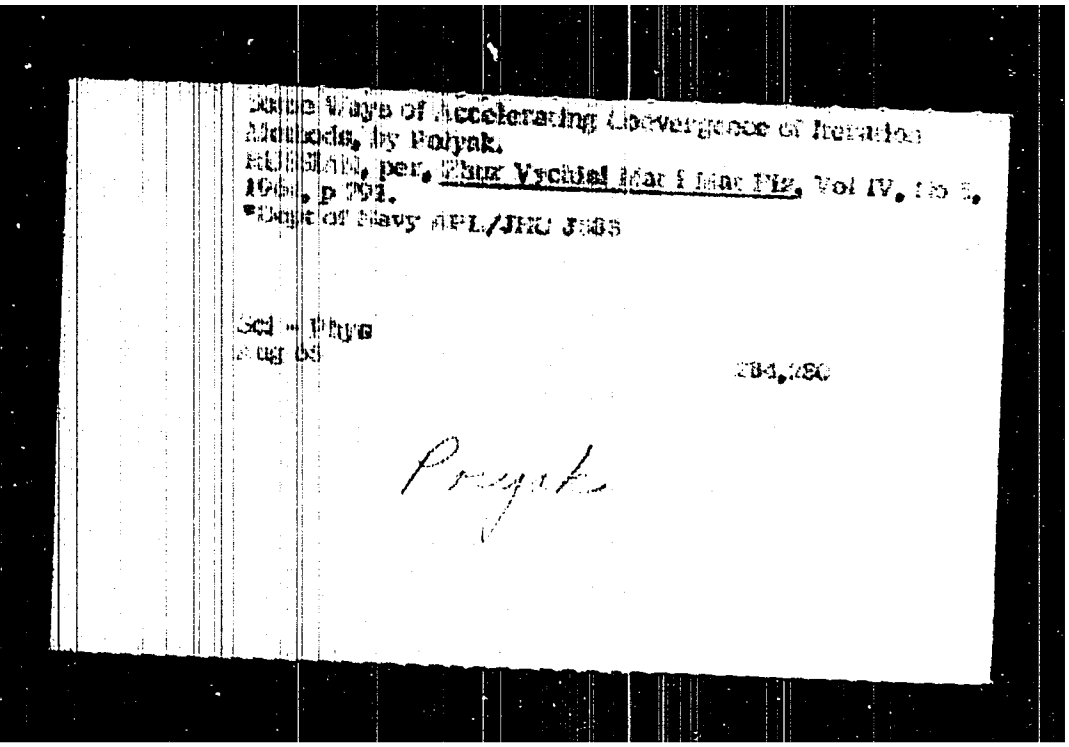

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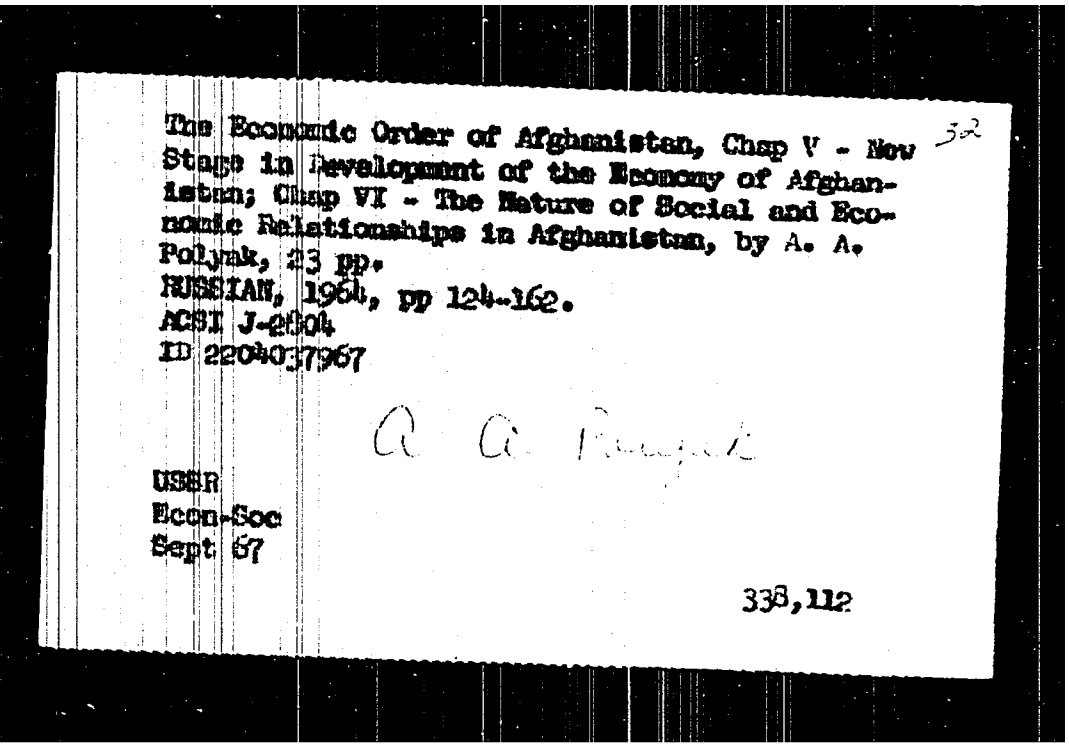

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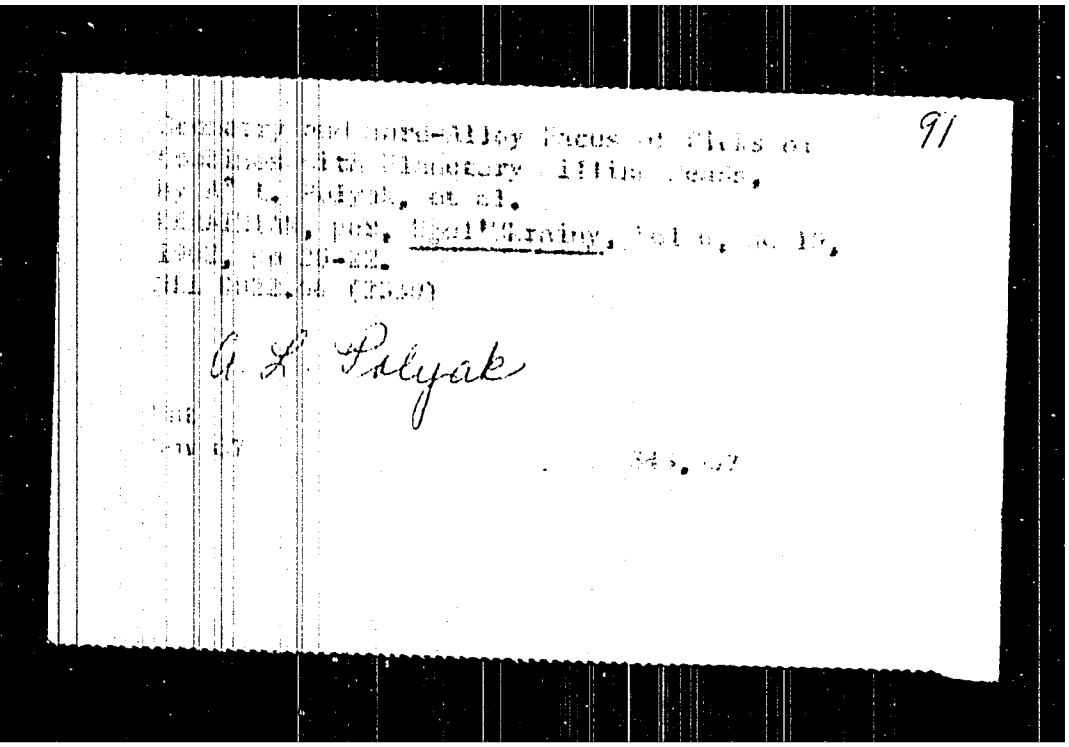

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II. FASEB-S-60-3
III. Federation of American Societies for Experimental Biology, Washington, D. C.
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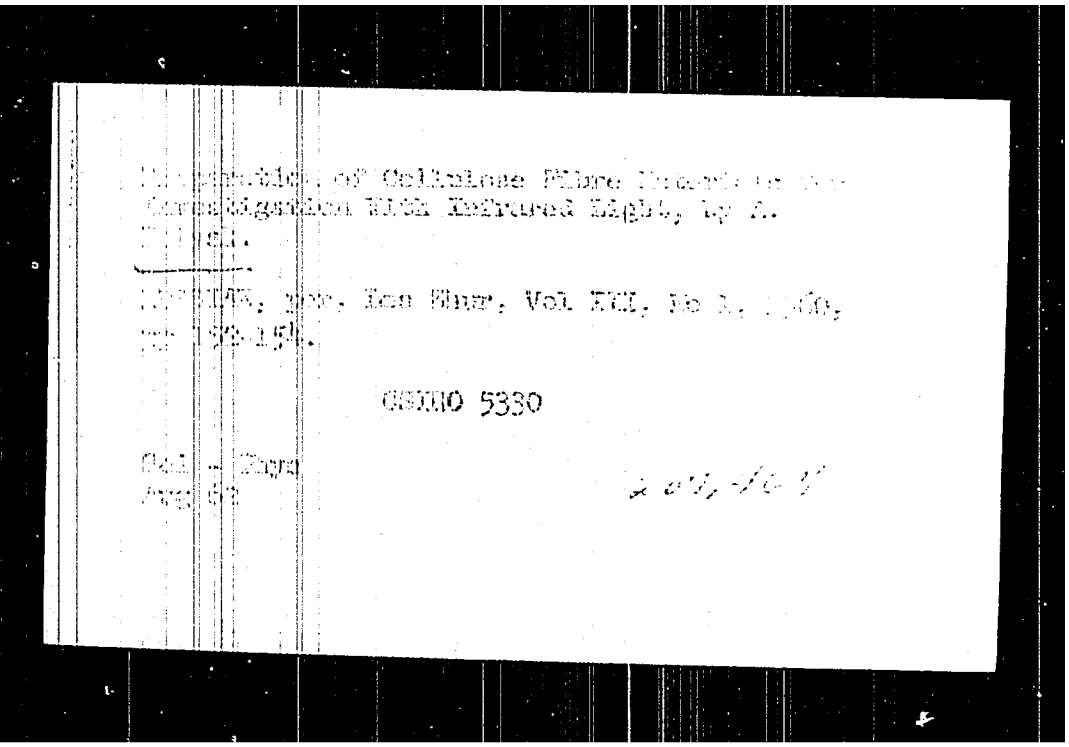

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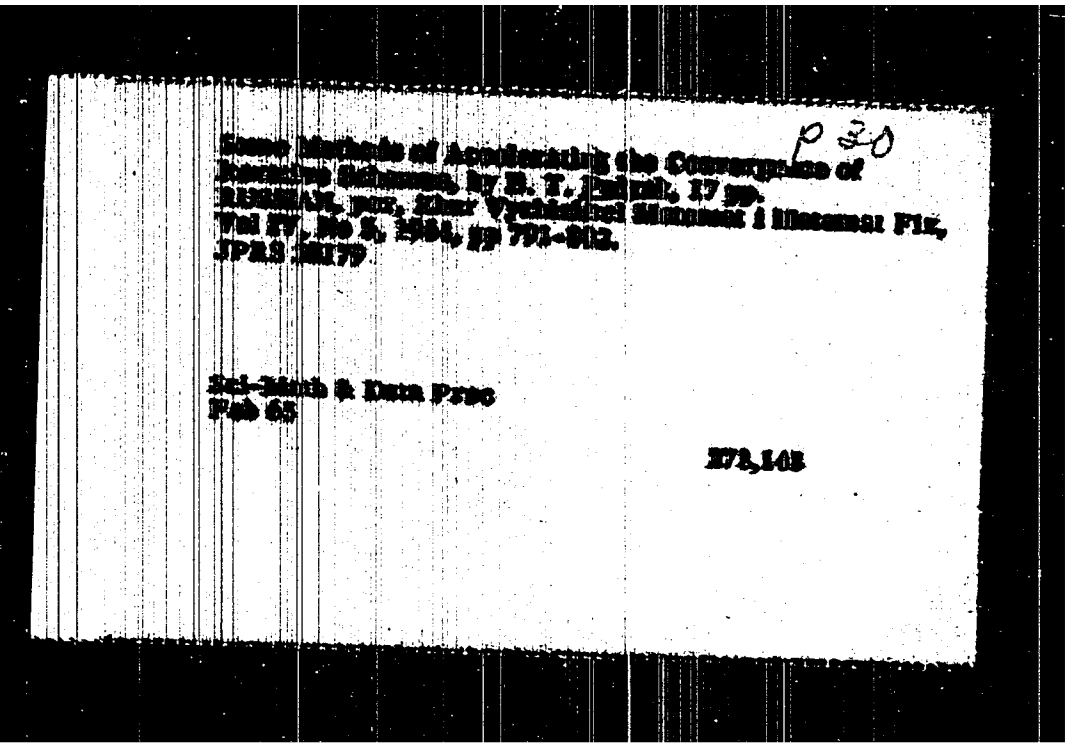

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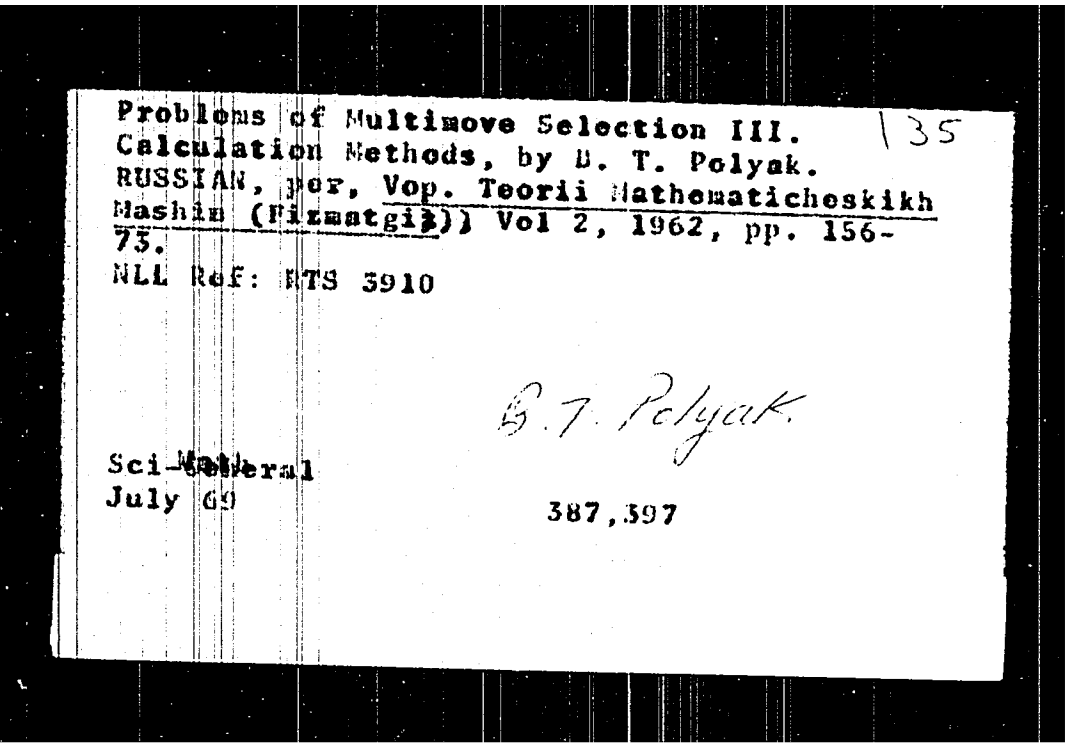

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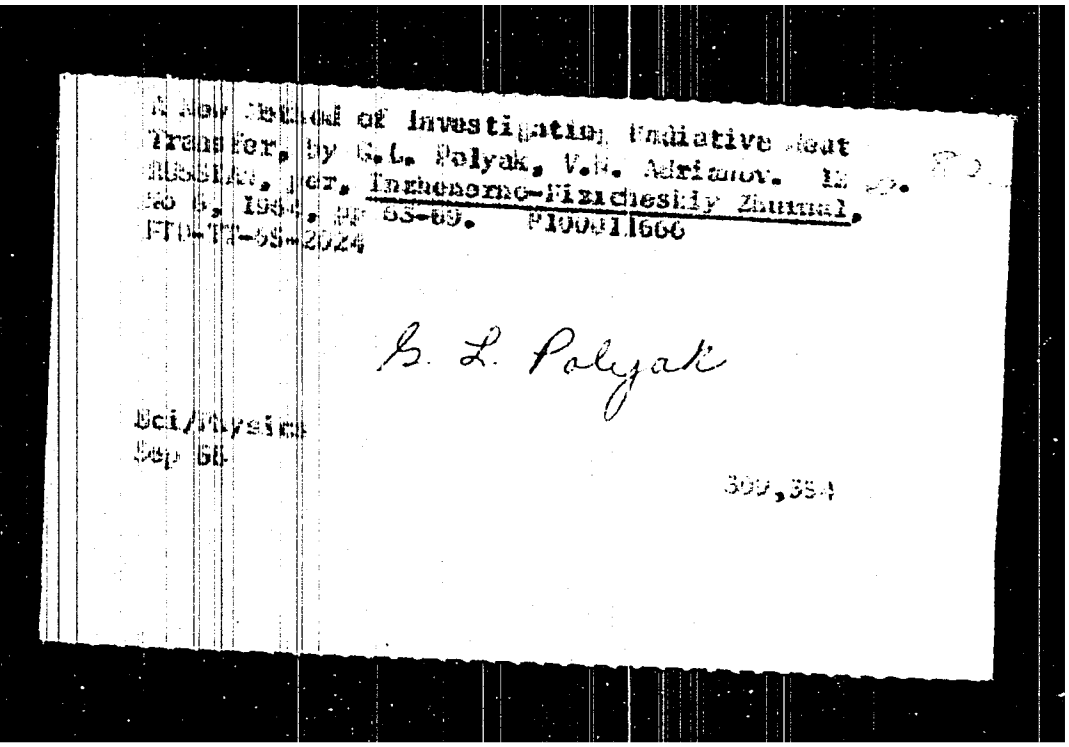

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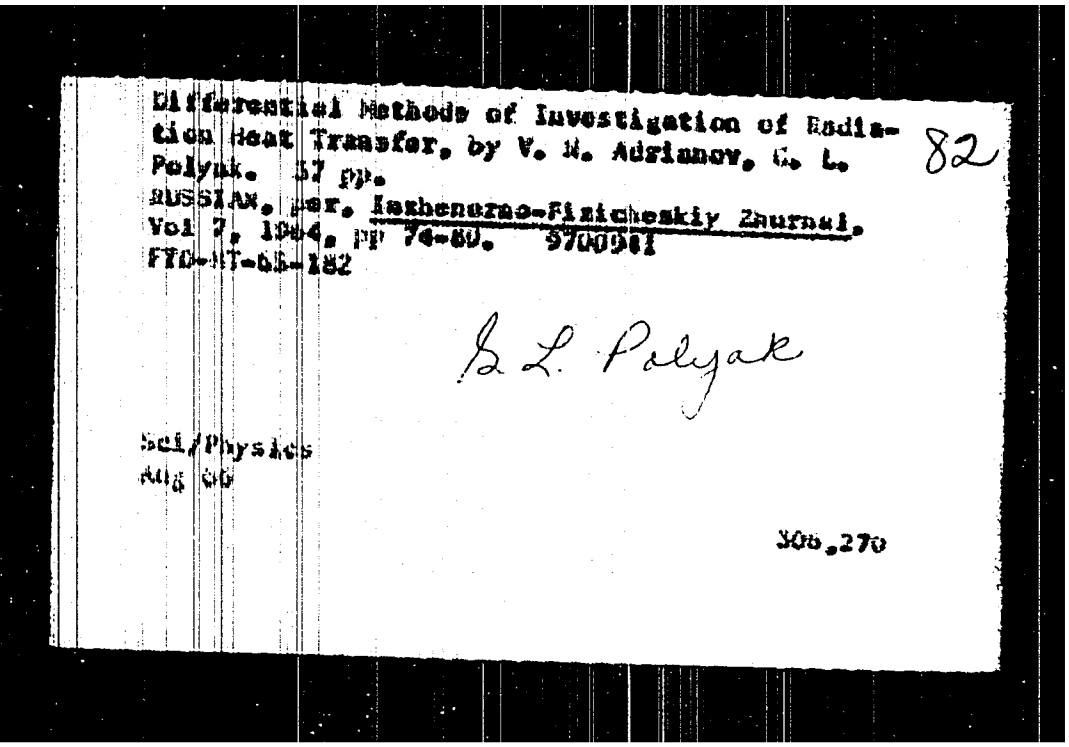

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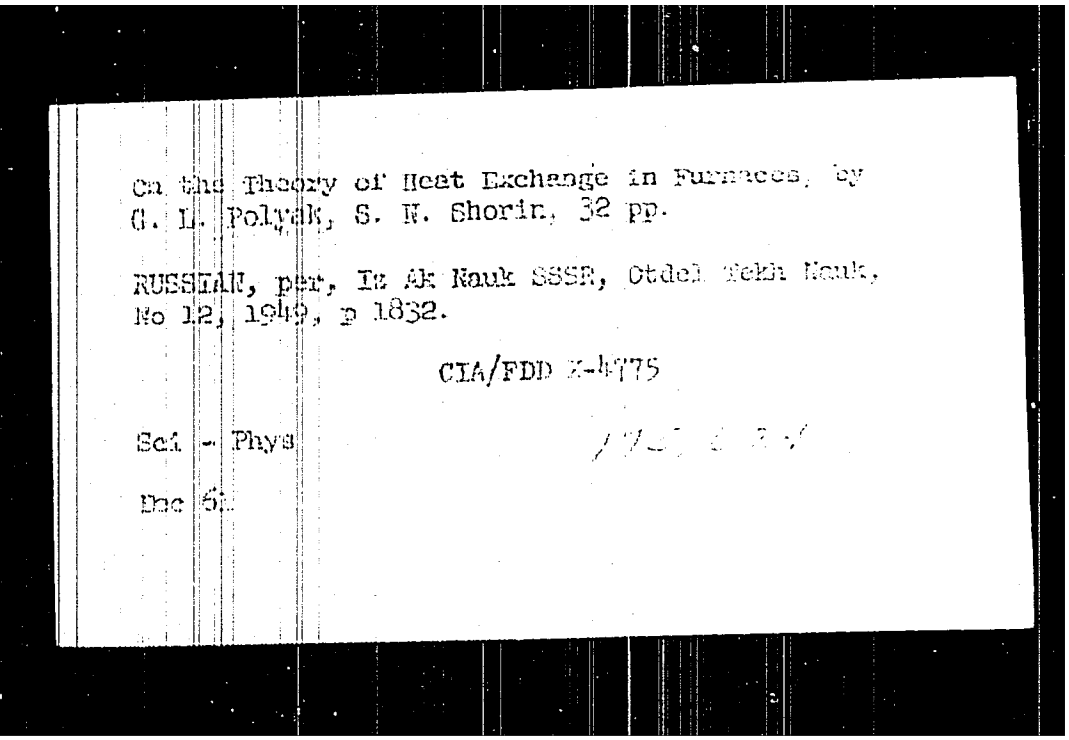

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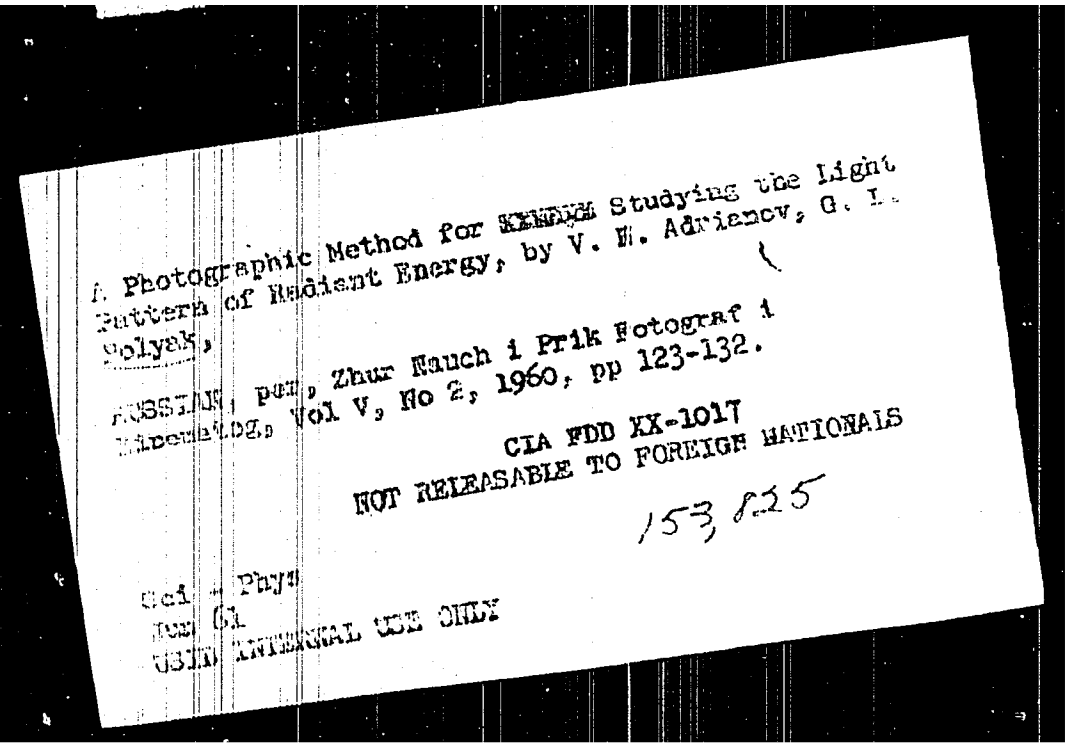

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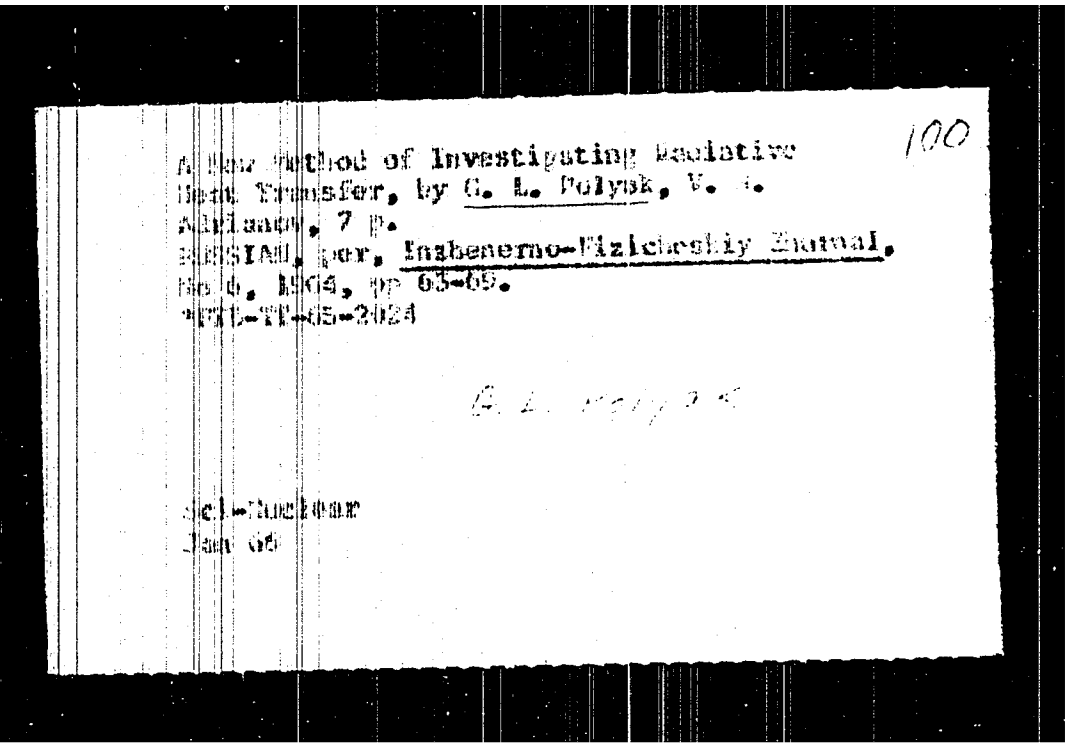

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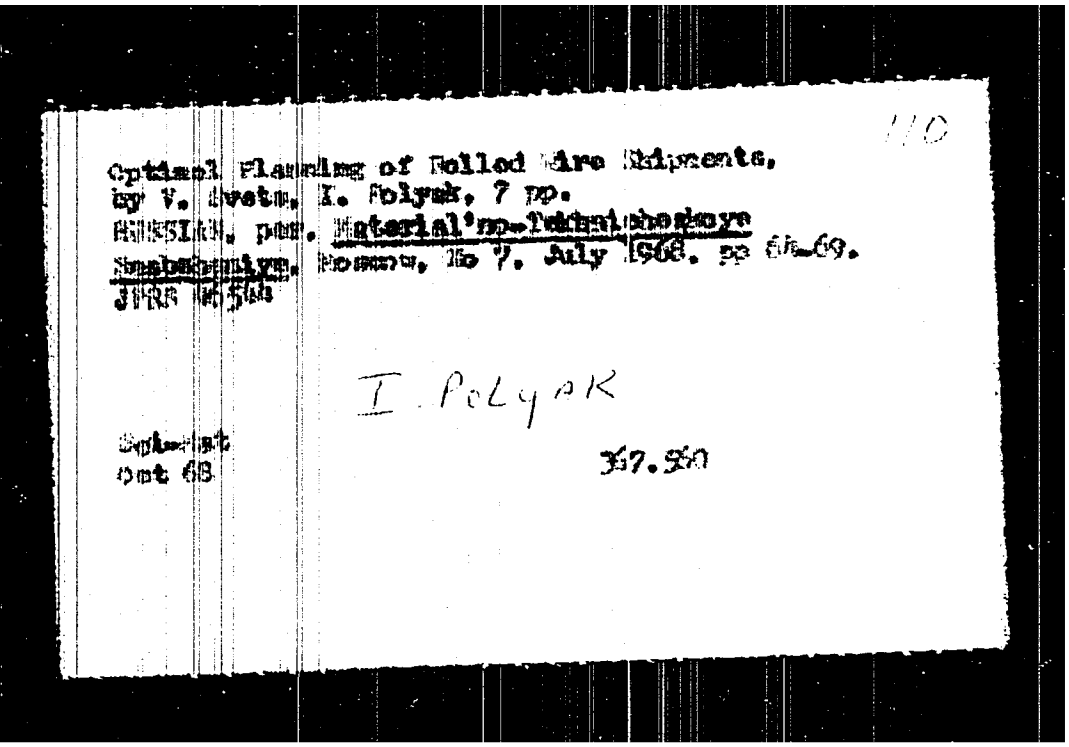

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Polyak, L. S. and Rapoport, M. B.
CORRELATION BETWEEN ELECTRICAL AND ELASTIC PROPERTIES OF SEDIMENTARY ROCKS.
[1962] [20]p. 6 refs.
Order from OTS or SLA $1.60 62-18544

Trans. from Prikladnaya Geofizika (USSR) 1956, no. 15.

DESCRIPTORS: *Sedimentary rock, Elasticity, Electrical properties, Statistical functions, Well logging.

There is a high degree of correlation between the recoil energy and porosity of elastic rocks. The conductivity and elasticity of such rocks depend upon porosity; there is, therefore, a correlation between resistivity and elastic wave velocity. The analysis of a large body of experimental data shows a correlation of 0.7 between resistivity and accoustic rigidity, and a correlation of 0.65 between conductivity and pressure wave velocity. The correlation between conductivity and the
(Earth Sciences, TT, v. 9, no. 6) (over)

62-18544

I. Polyak, L. S.
II. Rapoport, M. B.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201280032-0

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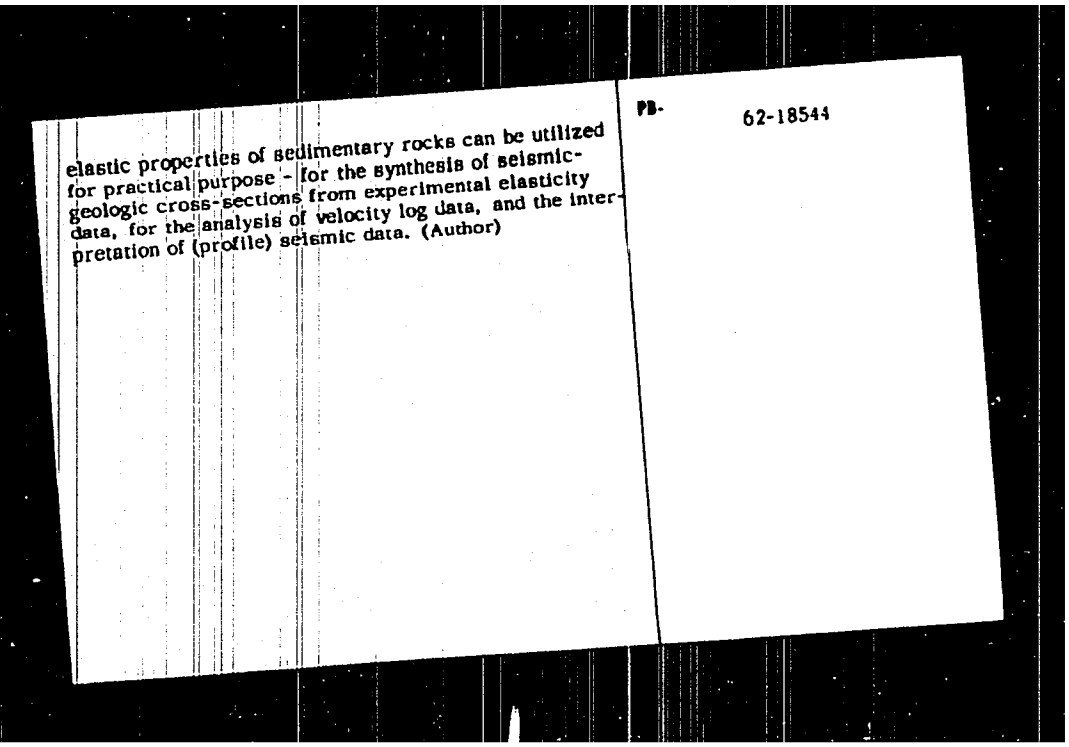

elastic properties of sedimentary rocks can be utilized for practical purpose - for the synthesis of seismic-geologic cross-sections from experimental elasticity data, for the analysis of velocity log data, and the interpretation of (profile) seismic data. (Author)

PB- 62-18544

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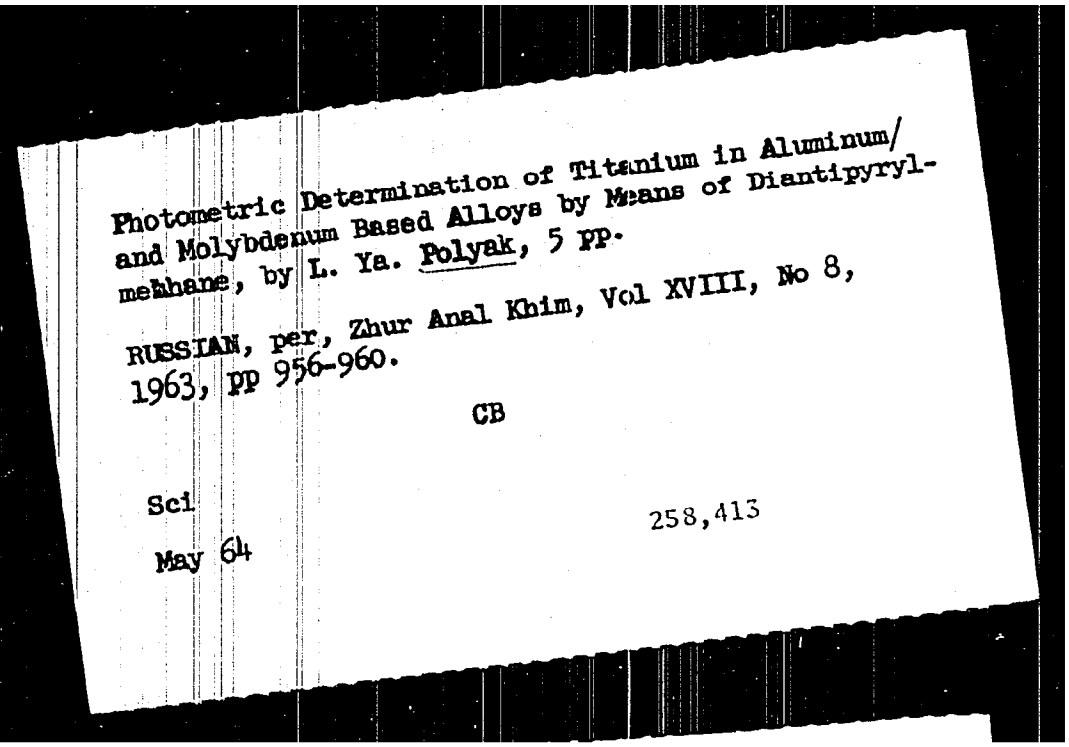

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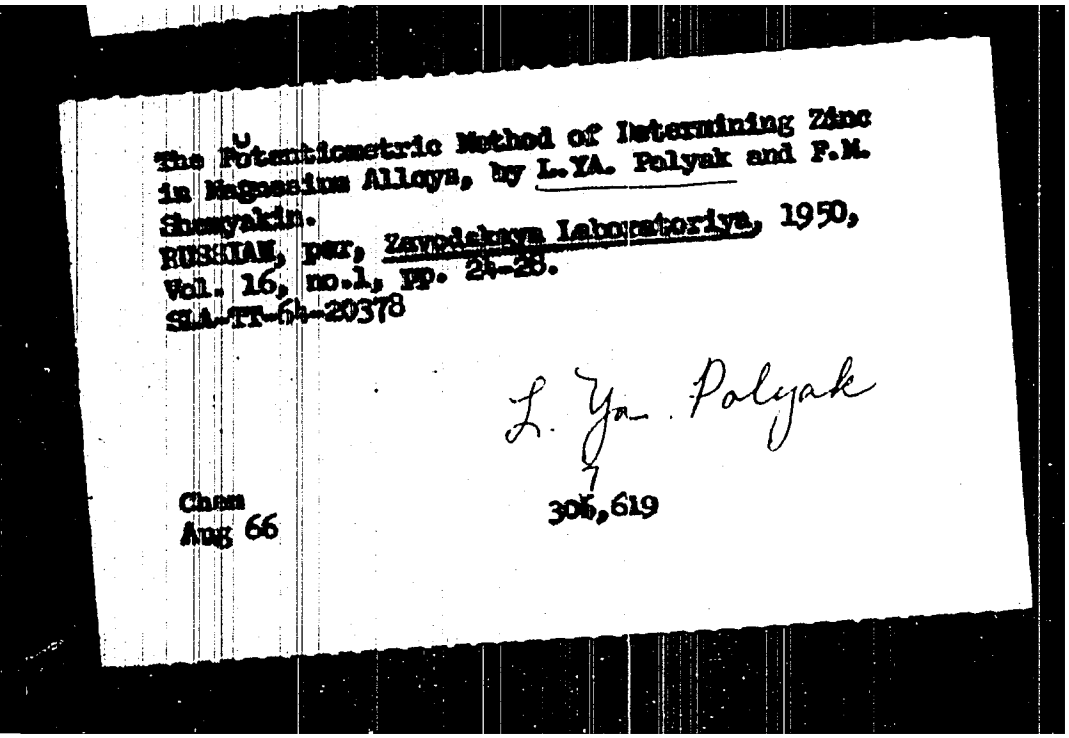

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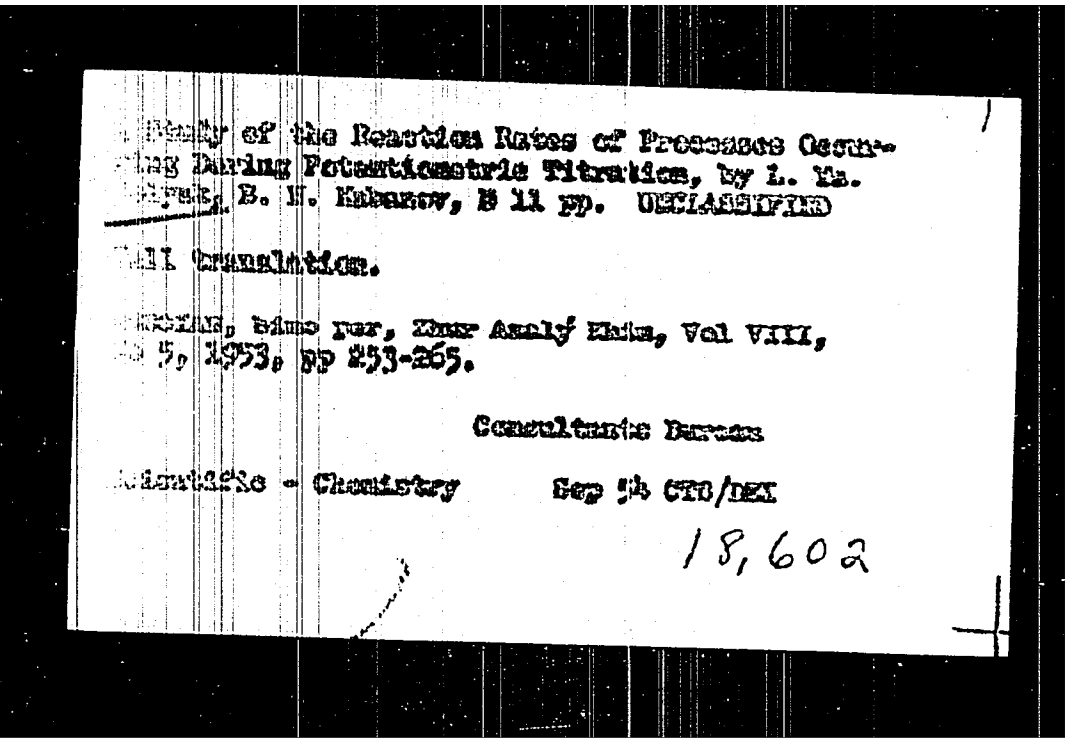

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TT-65-27598 Field 7B

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I. Centro de Informacion y Documentacion
Madrid (Spain)

European Translations Centre

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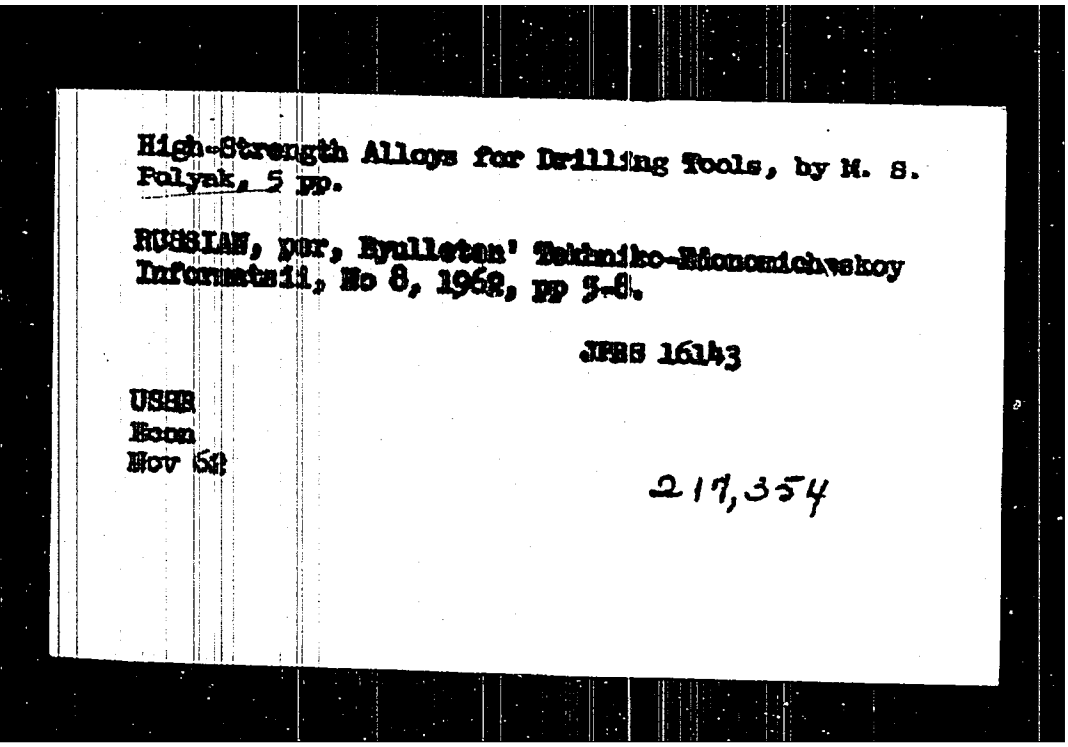

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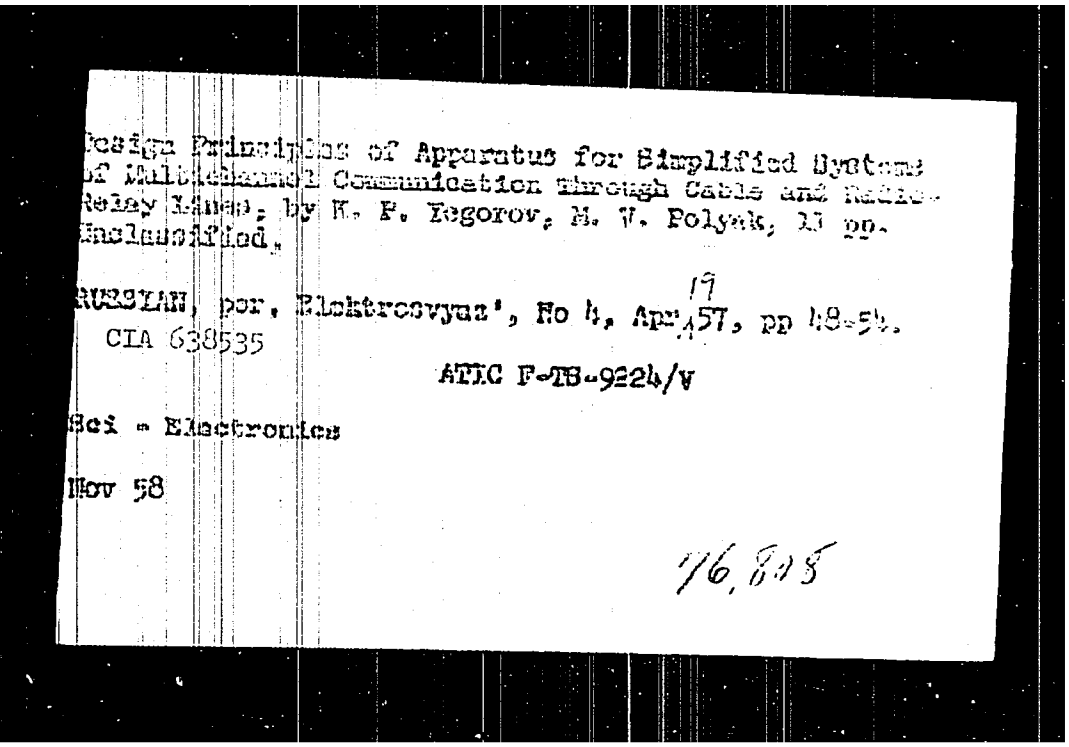

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SHORT-CIRCUITS, ASYNCHRONOUS OPERATION AND RE-SYNCHRONIZATION OF TURBO-GENERATORS (Korotkiye Zamykaniya, Asinkhronnyy Khod i Resinkhronizatsiya Turbogeneratorov). 17 Feb 60 [15]p. (1 fig. omitted) Trafford Park trans. 2559; M 1562.
Order from LC or SLA mi$2.40, ph$3.30 60-23004

Trans. of *Elektrichestvo (USSR) 1958, no. 11, p. 18-24.
Another translation is available from LC or SLA mi$2.40, ph$3.30 as 60-15757, CE Trans-1420 [1960] [12]p.
Also available from PP $14.00 (1959, v. 4, p. 463-(24)

The dynamic stability of parallel turbogenerators when short circuits occur is always higher than that calculated by normal standard means. The greatest difference occurs when serious short circuits occur at point which are, electrically, fairly near the terminals of (Engineering--Electrical, TT, v. 5, no. 5) (over)

60-23004

1. Turbines--Operation
2. Generators--Operation
I. Polyak, N. A.
II. AEI TP/T-2559
III. DSIR LLU M.1562
IV. Associated Electrical Industries, Ltd. (Gt. Brit.)

Office of Technical Services

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the turbogenerators. The basic cause is that, in standard calculations, the electromagnetic torques on the turbogenerator shafts are not taken into account. These are caused by the aperiodic component of the stator current, which occurs at the moment of a short circuit or other abrupt change in conditions. After turbogenerators of a thermal station have fallen out of synchronism, resynchronization, to bring them into line with the other generators of the stations in the system, can be carried out in conditions like those examined here, even when the total power of the turbogenerators that have fallen out of step somewhat exceeds the power which, in a protracted period, can be transmitted over the remaining operating lines. (Author)

PB- 60-23004

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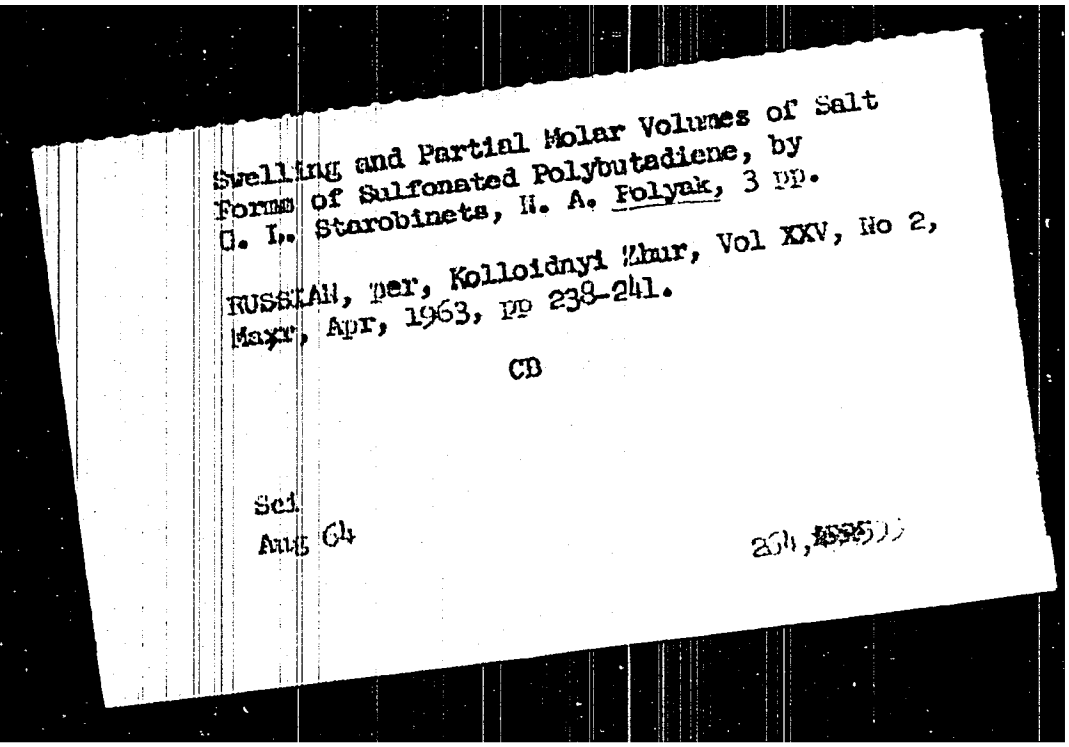

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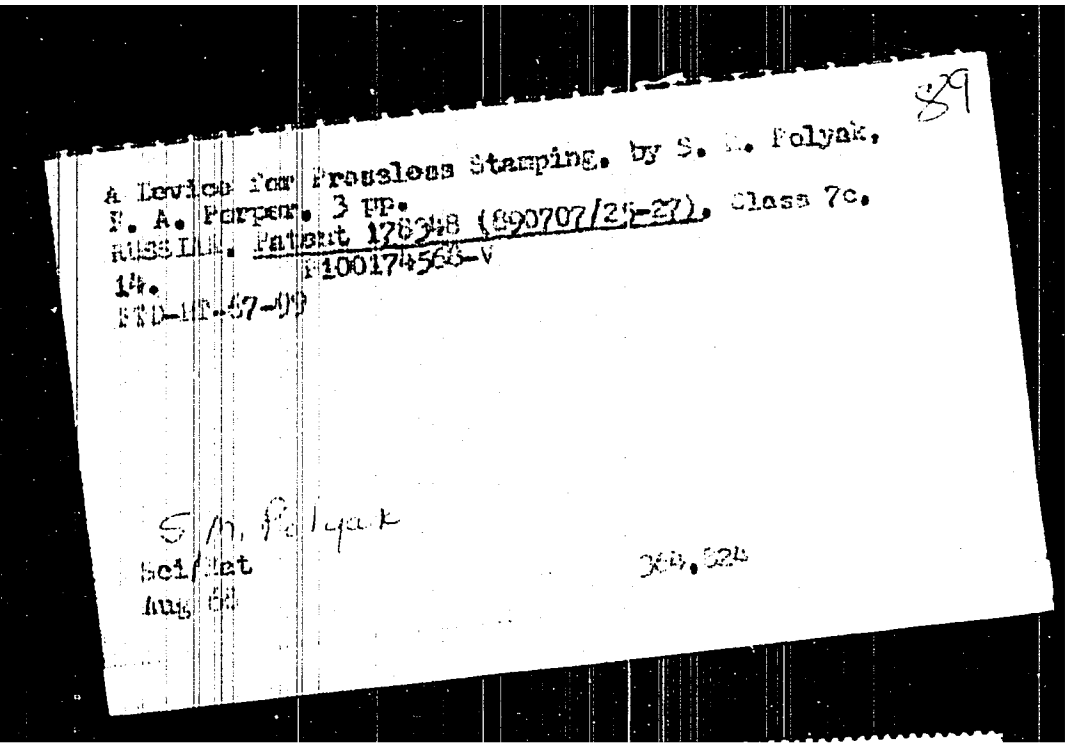

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FTD-HT-67-09

S/M. Polyak

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